

Title (en)
IMPROVED APPARATUS FOR EMPTYING CONTAINERS OF HORTICULTURAL PRODUCTS

Title (de)
VERBESSERTE VORRICHTUNG ZUM ENTLEREEN VON BEHÄLTERN VON GARTENBAUPRODUKTEN

Title (fr)
APPAREIL AMÉLIORÉ POUR LE VIDAGE DE CONTENEURS DE PRODUITS HORTICOLES

Publication
EP 2909118 B1 20180321 (EN)

Application
EP 13801773 A 20130923

Priority
• IT PN20120062 A 20121011
• IB 2013058778 W 20130923

Abstract (en)
[origin: WO2014057378A1] Apparatus for emptying containers (100,101) filled with horticultural products (50) and comprising a basin with an open top side (1) and filled with water, operating means (2A,2B,4) of the containers, and arranged at a level higher than the top liquid level (L) in the basin, in order to move the containers over a defined area and to rotate them to offload its content, collecting means (5,6) placed in the lower part of the basin and partially outside of it, and that collect the horticultural products from the bottom of the basin and lift them up to an emersion level, and that uses means apt to deviate the leaves (51) from the central surface of the liquid towards a surface area adjacent to a definite wall (15) of the basin, and to remove them from that area. Said means comprise a horizontal spillway opening (16), prolonged, arranged along said wall and to a height slightly lower than the liquid level, and pumps which spurt small water spouts almost horizontally, which form on the liquid surface a surface flow directed towards said prolonged opening, and filters of the drained water through said opening; said filters comprise a flexible belt conveyor (17), which is prolonged, extended for a closed path and in a continuous motion and which operates as a sieve, placed outside the basin and below said spillway opening that intercepts and filters the water and the leaves falling from said spillway opening.

IPC 8 full level
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Citation (examination)
US 6224315 B1 20010501 - VAN ARKEL JAN MARINUS [NL], et al

Cited by
CN111972679A

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Designated extension state (EPC)
ME

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